WICHITA — SEDGWICK COUNTY

W-SC

METROPOLITAN AREA PLANNING DEPARTMENT
CITY HALL — TENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202-1688
(316) 268-4561

May 21, 1987

Mid-Kansas Engineering Consultants, P.A.
3500 N. Rock Road #800
Wichita, KS 67226

Re: Final Plat S/D 86-117 - MEDITERRANEAN PLAZA

Dear Gentlemen:

At the regular meeting of the Subdivision Committee of the Metropolitan Area Planning Commission on Thursday, May 21, 1987, the above-captioned plat was considered. The action of the Committee was to recommend that this plat be approved subject to:

A. The applicant shall guarantee the extension of sanitary sewer to serve the lots being platted.

B. The applicant shall guarantee the extension of City water to serve the lots being platted.

C. The applicant shall guarantee the paving of the proposed interior streets.

D. The applicant shall guarantee any drainage improvements required by the platting of this property.

E. The paving petition for 32nd Street North shall provide for the following sidewalks:

(1) Southerly side of 32nd Street North and westerly side of Cypress (commercial and office zoning);

(2) Northerly side of 32nd Street North, adjacent to Lot 1 (commercial zoning); and

(3) Easterly side of Cypress, adjacent to Lot 11 (office zoning).

F. If improvements are guaranteed by petition, a notarized certificate listing the petitions shall be submitted to the Planning Department for recording.

G. The applicant shall submit square footage figures for existing water and sanitary sewer projects so existing special assessments can be redefined to the lots created by this plat.

H. The applicant shall provide proof, by letter from the pipeline company or by providing a copy of the pipeline easement agreement, that utilities and buildings may be located adjacent to the easement without restriction of an established setback from the easement.

I. Any relocation, lowering or encasement of the pipeline, made necessary by this development, will not be at the expense of the City.

J. The final plat tracing shall indicate, on the face of the plat, the recording information for the instrument, which contingently dedicated the Northeast Expressway right-of-way. The dedication was contingent upon the City of Wichita completing the following:

1. Acquire all necessary rights-of-way to construct the proposed Northeast Expressway from Webb Road on the east, westerly to I-135 and 29th Street or Hydraulic Street not later than the 1st day of July, 1989.

2. Complete and approve final design plans and specifications for the initial phase of the proposed Northeast Expressway from Webb Road on the east, westerly to I-135 at 29th Street or Hydraulic Street not later than the 1st day of December, 1990.

3. Let a contract to construct the portion of the proposed Northeast Expressway that is to be located on the real property being dedicated herein not later than the 1st day of December, 1989 and a starting date not later than June 1, 1990.

K. The final plat tracing shall indicate the utility easements requested by K.G.&E. at the time of preliminary plat approval. These required easements were marked on the copy of the approved preliminary plat that was returned to the platting surveyor in December of last year.

L. On the final plat tracing, the plattor's text shall be amended to reference that Reserve A is platted for right-of-way for the Northeast Expressway and is subject to the terms of a contingent dedication recorded on Film _____, Page _____.

M. On the final plat tracing, the spelling of the Deputy City Clerk's name shall be corrected (Rea not Rae).

N. On the final plat tracing, "complete access control" shall be indicated on the face of the plat to Reserve A from the lots adjacent to this contingent expressway dedication. This dedication of access control shall be referenced in the plattor's text.

O. On the final plat tracing, the face of the plat shall be corrected to indicate "access control (except one opening)" to 29th Street North across the east 400 feet of the south line of Lot 15, Block 1. The final plat mistakenly shows complete access control.

P. On the final plat tracing, the face of the plat shall be amended to reflect the access control, to 29th Street North from Lot 11, Block 1, that was depicted on the approved preliminary plat (i.e., "access control except for two openings from the west 350 feet of the lot" and "complete access control from the lots remaining frontage.") Also, the

dedication of this access control to 29th Street North shall be referenced in the plattor's text. The final plat fails to mention the establishment of any access control to 29th Street North from Lot 11, Block 1.

Q. On the final plat tracing, the plattor's text shall be amended to reference the platting of "access control except for one opening" to Webb Road from Lot 9, Block 3, not Lot 9, Block 4.

R. On the final plat tracing, the access control dedication referenced in the plattor's text, shall be amended to state that the access controls are "dedicated to the City of Wichita". The present wording fails to state that the controls are dedicated to this governing jurisdiction.

S. Since this plat is dedicating "complete access control" to Reserve A (contingent dedication of right-of-way for the Northeast Expressway), the plattor's text shall be amended to delete the phraseology regarding the plattor's acknowledgement that, in the future, the property will lose its direct access to the Expressway and be served by a frontage road. This plat has no direct access to lose in the future.

T. On the final plat tracing, the centerlines of the 80-foot wide drainage and utility easements shall be indicated.

U. On the final plat tracing, a bearing shall be provided for the centerline of the 50-foot COOP Pipeline Easement. Also, distances from lot lines to the pipeline easement shall be provided on Lot 1, Block 2 and Lots 15 and 16, Block 1 so the easement may be properly located on these affected lots.

V. On the final plat tracing, a dimension shall be provided on Lot 15, Block 1 from the half section line to the east line of the 30-foot, north/south sanitary sewer easement.

W. On the final plat tracing, the discrepancy between line 43 of the engineer's text and the distance indicated on the face of the plat for the east line of the plat shall be resolved.

X. The final plat tracing shall depict Penstemon Street adjacent to the west line of Block 1 and 32nd Street North adjacent to the south line of Lot 1, Block 2. The centerlines of these perimeter streets shall be labeled along with a dimension for existing half-street right-of-way.

(Y.) The final plat tracing shall indicate the platting of a floodway on that portion of Lot 15, Block 1, that is to be used for on-site detention. The standard floodway language shall be added to the plattor's text. Prior to submitting this plat for scheduling before the City Council, the applicant shall check will City Engineering the correctness of the floodway boundary.

(Z.) The applicant shall submit a complete drainage plan prior to this plat being scheduled for City Council review. If this completed plan creates significant changes to the geometry of the plat, the final plat shall be returned to the Subdivision Committee for reapproval.

(AA.) If applicant shall submit information necessary to redefine any special assessments that have been spread to areas being replatted.

BB. Since the platting of this property requires the establishment of minimum building pad elevations on Lots 10, 11, 12 and 15, Block 1, the elevation shall be expressed in both Mean Sea Level and City Datum. The platting of the minimum building pads shall be referenced on the face of the plat and in the plattor's text. Prior to submitting this plat for scheduling before the City Council, the applicant shall first verify that the elevation of the building pads depicted on the final plat tracing are correct.

CC. Prior to submitting this plat for scheduling before the City Council, the applicant's agent shall resolve with City Engineering the amount of access control to be platted from Lot 9, Block 3 to Webb Road.

DD. The applicant's engineer is advised that the Register of Deeds is requiring the name(s) of the notary public, who acknowledges the signatures on this plat, to be printed beneath the notary's signature.

EE. To receive mail delivery without delay, and to avoid unnecessary expense, the applicant is advised of the necessity to meet with the U.S. Postal Service Growth Management Coordinator (phone 316-946-4527) prior to development of the plat so that the type of delivery, and the tentative mail box locations can be determined.

FF. Perimeter closure computations shall be submitted with the final plat tracing. Section 5-101(C).

GG. Recording of the plat within 30 days after approval by the City Council.

Enclosed with the applicant's copy of this letter is a list of the five methods which have been adopted as being acceptable for guaranteeing improvements required in the approval of plats. The certificate will be required if petitions are submitted. Forms for the bond and irrevocable Letter of Credit are available from this office.

The enclosed "marked" copy of the final plat is for your information and files.

This matter will be forwarded to the Planning Commission for its consideration on Thursday, May 28, 1987 at 1:30 p.m. If you have any questions concerning this matter, please call.

Sincerely,

Forrest L. Nagley

Forrest L. Nagley
Senior Planner

FLN:dlk

Enclosure

cc: Woodlawn Development Company, 151 N. Main, Suite 300, Wichita, KS 67202
Bill G. Yung Design, 4912 E. 29th Street N., Suite 1, Wichita, KS 67220
Mike Lindebak, City Engineer

Pre-Sub May 21, 1987

1. O. J. Baalman. Vacation of Utility easement. No water problem.

2. Killarney Plaza. Preliminary Plat. Item D, Mains to be extended. No water problem.

3. Mediterranean Plaza. Final Plat. Item B, mains to be extended. ~~Developer to pay all costs of abandoning 8" line and fire hydrant relocation if necessary.~~

4. South Towne Mobile Home Park. Preliminary Plat. Item C, mains to be extended. Nearest City Water in Meridian at 44th St. So. 12" Main to be extended in Meridian to south line of their project. 12" also required in 47th St. Would suggest 47th St. extension to go to West to at least West line of proposed drive into project.

5. Aldon Addition. Final Plat. No city water immediately available. Water to be extended from Kellogg to Fire Station site, and interest in Hidden ~~Lake~~ Valley area expressed. Suggest taking and holding petition for future extension.

6. Spring Hollow Fourth Addition. Final Plat. Water installed. No water problem

7. Woodbridge 5th Addition. Final Plat. Item B. mains to be extended. All lots easily ~~be~~ served except Lots 60, 61, 62, Block 2; and Lot 1, Block 3; No mains exist to serve these lots. They should be served as 18th St. and Pinegrove develop.

8. Max King Addition. Final Plat. Item B. Mains to be extended. Nearest water at Maple & Arapaho.

9. Lakepoint Company. Grant Utility Esm't. No water problem.

10. Woodlawn Development Co. Grant Utility easement. No water problem.
11. James E. Loyd. Grant Utility Esmt. No water problem.
12. Adams Homes, Inc. Grant utility easement. No water problem.
13. Charles E. Bagshaw. Grant utility easement. No water problem.
14. [illegible]

February 20, 1997

Mr. Michael Lindebak, P.E., City Engineer
City of Wichita
455 N. Main, 7th Floor
Wichita, Kansas 67202

Reference: Paving Petition, 31st Street North, Webb Road to the west line of Lot 7, Block 4 Mediterranean Plaza Addition

Dear Mr. Lindebak:

On behalf of Gorges Enterprises, LLC and Koch Properties, Inc., MKEC has prepared a petition requesting the construction of paving on 31st Street North from Webb Road to the west line of Lot 7, Block 4, Mediterranean Plaza Addition. This petition requests the City to finance the cost of the paving by spreading special assessments to both Lot 7, Block 4 and Lot 8, Block 3, owned by Gorges Enterprises, LLC and Koch Properties, Inc., respectively.

Both property owners know that there is presently on file a petition to the City requesting the paving on 31st Street North/Toben from Webb Road to 34th Street North. Both owners know that their ownership is in the benefit district liable to be assessed for this project when constructed. However, these parties anticipate that a subsequent petition may, or probably will, be substituted for the existing petition when the pattern of development along Toben has been established.

By their signatures on this letter, both Gorges Enterprises, LLC and Koch Industries, Inc., acknowledge and accept the possibility of a future assessment for paving Toben/31st Street North should the petition be activated by the City in its present form.

Sincerely,

MID-KANSAS ENGINEERING CONSULTANTS, INC.

Dean S. Sellers, P.E.

DSS/dm

RECEIVED
FEB 20 1997
CITY - ENGINEERING

ACKNOWLEDGED BY:

Marc F. Gorges, Managing Partner
Gorges Enterprises, LLC

ACKNOWLEDGED BY:

Diana M. Knigge, Vice President
Koch Properties, Inc.

F:\WP\PROJECT\1996\96153\LINDEBAK.WPD

February 28, 1997

RECEIVED
MAR 13 1997
CITY - ENGINEERING

Mr. Michael Lindebak, P.E., City Engineer
City of Wichita
455 N. Main, 7th Floor
Wichita, Kansas 67202

Reference: Water Petition, 31st Street North, Webb Road to the west line of Lot 7, Block 4 Mediterranean Plaza Addition

Dear Mr. Lindebak:

On behalf of Gorges Enterprises, LLC and Koch Properties, Inc., MKEC has prepared a petition requesting the construction of a water distribution system on 31st Street North from Webb Road to the west line of Lot 7, Block 4, Mediterranean Plaza Addition. This petition requests the City to finance the cost of constructing the water main by spreading special assessments to both Lot 7, Block 4 and Lot 8, Block 3, owned by Gorges Enterprises, LLC and Koch Properties, Inc., respectively.

Both property owners know that there is presently on file a petition to the City requesting the construction of water mains on 31st Street North/Toben from Webb Road to 34th Street North. Both owners know that their ownership is in the benefit district liable to be assessed for this project when constructed. However, these parties anticipate that a subsequent petition may, or probably will, be substituted for the existing petition when the pattern of development along Toben has been established.

By their signatures on this letter, both Gorges Enterprises, LLC and Koch Industries, Inc., acknowledge and accept the possibility of a future assessment for construction of water mains along Toben/31st Street North should the petition be activated by the City in its present form.

Sincerely,

MID-KANSAS ENGINEERING CONSULTANTS, INC.

Dean S. Sellers, P.E.

DSS/wb

ACKNOWLEDGED BY:

Marc F. Gorges, Managing Partner
Gorges Enterprises, LLC

ACKNOWLEDGED BY:

Diana M. Knigge, Vice President
Koch Properties, Inc.

F:\WP\PROJECT\1996\96153\LINDBAK1.WPD

WICHITA—SEDGWICK COUNTY
W-SC
METROPOLITAN AREA PLANNING DEPARTMENT
CITY HALL — TENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202
(316) 268-4561

December 29, 1986

Bill G. Yung
Bill G. Yung Design
4912 East 29th Street North
Suite One
Wichita, Kansas 67220

Re: S/D 86-117 - Mediterranean Plaza. Generally located between Rock Road and Webb Road from 29th Street North to 34th Street North.

Dear Mr. Yung:

At the regular meeting of the Subdivision Committee of the Metropolitan Area Planning Commission on Monday, December 29, 1986, the above-captioned plat was considered. The action of the Committee was to approve the preliminary and authorize preparation of the final plat, subject to the following:

A. The applicant shall guarantee the extension of sanitary sewer to serve the lots being platted.

B. The applicant shall guarantee the extension of City water to serve the lots being platted.

C. The applicant shall guarantee the paving of the proposed interior streets.

D. The applicant shall guarantee any storm sewer and storm drains required by the platting of this property.

E. The paving petitions for Penstemon and 32nd Street North shall provide for the following sidewalks:

(1) Both sides of Penstemon (commercial, office, and multi-family zoning);

(2) Southerly side of 32nd Street North and westerly side of Cypress (commercial and office zoning);

(3) Northerly side of 32nd Street North, adjacent to Lot 1 (commercial zoning); and

(4) Easterly side of Cypress, adjacent to Lot 11 (office zoning).

F. If improvements are guaranteed by petition, a notarized certificate listing the petitions shall be submitted to the Planning Department for recording.

G. The applicant shall submit square footage figures for existing water and sanitary sewer projects so existing special assessments can be redefined to the lots created by this plat.

H. The final plat shall indicate the recording information for the 50-foot cooperative pipeline easement on this property.

I. The applicant shall provide proof, by letter from the pipeline company or by providing a copy of the pipeline easement agreement, that utilities and buildings may be located adjacent to the easement without restriction of an established setback from the easement.

J. Any relocation, lowering or encasement of the pipeline, made necessary by this development, will not be at the expense of the City.

K. Lot 3, Block 4, of this proposed plat represents a replat of Lot 1, Corporate Airpark Addition. When Corporate Airpark Addition was platted, a 66-foot wide Cities Service Gas Company Easement (Book 48, Page 620 and Book 236, Page 195) was depicted on the plat. This preliminary plat does not indicate this pipeline easement. Prior to filing a final plat, the applicant's agent shall carefully review the terms of the pipeline easement so as to properly reflect the pipeline easement and associated building setback on the final plat. The applicant shall submit a copy of the instrument which establishes the Cities Service Gas Company Easement on this property.

L. The final plat shall label the centerline of the utility easements.

M. The final plat shall indicate that the right-of-way depicted for the "proposed Northeast Expressway" is a contingent dedication. The recording information for the instrument, which contingently dedicated this right-of-way, shall be referenced. The dedication was contingent upon the City of Wichita completing the following:

1. Acquire all necessary rights-of-way to construct the proposed Northeast Expressway from Webb Road on the east, westerly to I-135 and 29th Street or Hydraulic Street not later than the 1st day of July, 1989.

2. Complete and approve final design plans and specifications for the initial phase of the proposed Northeast Expressway from Webb Road on the east, westerly to I-135 at 29th Street or Hydraulic Street not later than the 1st day of December, 1990.

3. Let a contract to construct the portion of the proposed Northeast Expressway that is to be located on the real property being dedicated herein not later than the 1st day of December, 1989 and a starting date not later than June 1, 1990.

N. The final plat shall label the centerlines of adjacent perimeter streets. The final plat shall indicate the amounts of half-street rights-of-way adjacent to the plat as well as the amount of additional rights-of-way being dedicated by this plat.

O. Since this plat is vacating previously established street right-of-way, utility easements and building setbacks, the engineer's text on the final plat shall reference K.S.A. 12-512(b).

P. Prior to, or at the time of submitting the final plat, the applicant shall submit a drainage plan to City Engineering for review and approval.

Q. The final plat shall indicate the utility easements requested by K.G. & E. which are indicated on the "marked" copy of the plat.

R. Prior to filing the final plat, the applicant shall meet with the Traffic Engineering Department regarding access control to Webb at the proposed Northeast Circumferential intersection.

S. The applicant shall install or guarantee the installation of all utilities and facilities which are applicable and described in Article 8 of the MAPC Subdivision Regulations.

T. Requirements for a final plat (see pages 20-25, Part 4, Article 5 of the MAPC Subdivision Regulations).

Sincerely,

FLN

Forrest L. Nagley
Senior Planner

FLN:blw
Enclosure

cc: Mike Lindebak, City Engineer
Bill McKinley, Traffic Engineer
Woodlawn Development Company, 151 North Main St., Wichita, 67202
Mid-Kansas Engineering Consultants, 3500 N. Rock Rd., #800
Wichita, 67226

Pre-Sub. 12-29-86

1. Slauson Investment Corp.. Vacation of Utility Easement. Easement to be vacated was for phase 3 Tallgrass Sec. No mains are within the easement being vacated. No water problem.

2. Schraft 9th Addition. Preliminary Plat. Main in 35th St. So. needs to be extended from Bonn to Hiram to serve lots 1 through 5. All other lots are now served. No water problem.

3. Mediterranean Plaza. Preliminary Plat. Item 6, mains to be extended. Existing 8" main in 31st. St. No. is existing. Main to be extended in 32nd St. to serve all adjacent property. Main in 31st St. to be abandoned at time of vacation of 31st St. Existing main in Penstemon to be extended to 32nd and tied into main in 32nd. Proposed main in 32nd St. to be 12". Cost of abandoned line to be expense of Developer.

4. JSJ Enterprises.. Grant Utility Esmt. No water problem.

5. JSJ Enterprises. Dedicate additional St. R/W. No water problem.

6. Other matters.

Preliminary Plat
SUBDIVISION REPORT

SUBDIVISION COMMITTEE
METROPOLITAN AREA
PLANNING COMMISSION

S/D No.: 86-117 Name: MEDITERRANEAN PLAZA

Preliminary Approved:
Scheduled S/D Meeting: 12/29/86

DESCRIPTION

General Location: Between Rock Road and Webb Road, from 29th Street North to 34th Street North.
Owner: Woodlawn Development Company, 151 N. Main, Suite 300, Wichita, KS 67202
Surveyor/Engineer: Bill G. Yung Design, 4912 E. 29th No., Suite One, Wichita, KS 67220

1. Gross Acreage of Plat: 270.82
2. Number of Lots:
   - Residential: 3
   - Office: 16
   - Commercial:
   - Industrial: 25
   - Total: 44
3. Minimum Lot Area: 0.79 Acre
4. Existing Zoning: "BB", "E", "AA", "A" and "LC"
5. Proposed Zoning: "BB", "E", "R-5", "R-6" and "LC"

STAFF COMMENTS:

NOTE: The applicant's associated zone cases, (Z-2764) and (Z-2765), have been approved subject to platting. The following zoning is proposed:

"BB" (office) - Lots 1 through 14, Block 1 and Lot 11, Block 2
"E" (light industrial) - Lots 2 through 10, Block 2
"R-5" (multi-family) - Lots 16 and 17 and part of Lot 15, Block 1
"R-6" (multi-family) - Part of Lot 15, Block 1

All lots in Blocks 3 and 4 are currently zoned "E". Lot 1, Block 2, is currently zoned "BB" and "LC". That part of Lot 1, Block 2, which is zoned "LC", is subject to the provisions of a commercial community unit plan (DP-111).

A. The applicant shall guarantee the extension of sanitary sewer to serve the lots being platted.

B. The applicant shall guarantee the extension of City water to serve the lots being platted.

C. The applicant shall guarantee the paving of the proposed interior streets.

D. The applicant shall guarantee any drainage improvements required by the platting of this property.

E. The paving petitions for Penstemon and 32nd Street North shall provide for the following sidewalks:

(1) Both sides of Penstemon (commercial, office, and multi-family zoning);

(2) Southerly side of 32nd Street North and westerly side of Cypress (commercial and office zoning);

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(4) Easterly side of Cypress, adjacent to Lot 11 (office zoning).

F. If improvements are guaranteed by petition, a notarized certificate listing the petitions shall be submitted to the Planning Department for recording.

G. The final plat shall indicate the recording information for the 50-foot cooperative pipeline easement on this property.

H. The applicant shall provide proof, by letter from the pipeline company or by providing a copy of the pipeline easement agreement, that utilities and buildings may be located adjacent to the easement without restriction of an established setback from the easement.

I. Any relocation, lowering or encasement of the pipeline, made necessary by this development, will not be at the expense of the City.

J. Lot 3, Block 4, of this proposed plat represents a replat of Lot 1, Corporate Airpark Addition. When Corporate Airpark Addition was platted, a 66-foot wide Cities Service Gas Company Easement (Book 48, Page 620 and Book 236, Page 195) was depicted on the plat. This preliminary plat does not indicate this pipeline easement. Prior to filing a final plat, the applicant's agent shall carefully review the terms of the pipeline easement so as to properly reflect the pipeline easement and associated building setback on the final plat. The applicant shall submit a copy of the instrument which establishes the Cities Service Gas Company Easement on this property.

K. The final plat shall label the centerline of the utility easements.

L. The final plat shall indicate that the right-of-way depicted for the "proposed Northeast Expressway" is a contingent dedication. The recording information for the instrument, which contingently dedicated this right-of-way, shall be referenced. The dedication was contingent upon the City of Wichita completing the following:

1. Acquire all necessary rights-of-way to construct the proposed Northeast Expressway from Webb Road on the east, westerly to I-135 and 29th Street or Hydraulic Street not later than the 1st day of July, 1989.

2. Complete and approve final design plans and specifications for the initial phase of the proposed Northeast Expressway from Webb Road on the east, westerly to I-135 at 29th Street or Hydraulic Street not later than the 1st day of December, 1990.

3. Let a contract to construct the portion of the proposed Northeast Expressway that is to be located on the real property being dedicated herein not later than the 1st day of December, 1989 and a starting date not later than June 1, 1990.

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N. Since this plat is vacating previously established street right-of-way, utility easements and building setbacks, the engineer's text on the final plat shall reference K.S.A. 12-512(b).

O. Prior to, or at the time of submitting the final plat, the applicant shall submit a drainage plan to City Engineering for review and approval.

P. The applicant shall install or guarantee the installation of all utilities and facilities which are applicable and described in Article 8 of the MAPC Subdivision Regulations.

Q. Requirements for a final plat (see pages 20-25, Part 4, Article 5 of the MAPC Subdivision Regulations).

R. The representative from City Engineering should be prepared to comment on the status of the applicant's drainage concept.

Final Plat
SUBDIVISION REPORT

SUBDIVISION COMMITTEE
METROPOLITAN AREA
PLANNING COMMISSION

S/D No.: 86-117 Name: MEDITERRANEAN PLAZA

Preliminary Approved: 12/29/86
Scheduled S/D Meeting: 5/21/87

DESCRIPTION

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L. On the final plat tracing, the plattor's text shall be amended to reference that Reserve A is platted for right-of-way for the Northeast Expressway and is subject to the terms of a contingent dedication recorded on Film _____, Page _____.

M. On the final plat tracing, the spelling of the Deputy City Clerk's name shall be corrected (Rea not Rae).

N. On the final plat tracing, "complete access control" shall be indicated on the face of the plat to Reserve A from the lots adjacent to this contingent expressway dedication. This dedication of access control shall be referenced in the plattor's text.

O. On the final plat tracing, the face of the plat shall be corrected to indicate "access control (except one opening)" to 29th Street North across the east 400 feet of the south line of Lot 15, Block 1. The final plat mistakenly shows complete access control.

P. On the final plat tracing, the face of the plat shall be amended to reflect the access control, to 29th Street North from Lot 11, Block 1, that was depicted on the approved preliminary plat (i.e., "access control except for two openings from the west 350 feet of the lot" and "complete access control from the lots remaining frontage.") Also, the dedication of this access control to 29th Street North shall be referenced in the plattor's text. The final plat fails to mention the establishment of any access control to 29th Street North from Lot 11, Block 1.

Q. On the final plat tracing, the plattor's text shall be amended to reference the platting of "access control except for one opening" to Webb Road from Lot 9, Block 3, not Lot 9, Block 4.

R. On the final plat tracing, the access control dedication referenced in the plattor's text, shall be amended to state that the access controls are "dedicated to the City of Wichita". The present wording fails to state that the controls are dedicated to this governing jurisdiction.

S. Since this plat is dedicating "complete access control" to Reserve A (contingent dedication of right-of-way for the Northeast Expressway), the plattor's text shall be amended to delete the phraseology regarding the plattor's acknowledgement that, in the future, the property will lose its direct access to the Expressway and be served by a frontage road. This plat has no direct access to lose in the future.

T. On the final plat tracing, the centerlines of the 80-foot wide drainage and utility easements shall be indicated.

U. On the final plat tracing, a bearing shall be provided for the centerline of the 50-foot COOP Pipeline Easement. Also, distances from lot lines to the pipeline easement shall be provided on Lot 1, Block 2 and Lots 15 and 16, Block 1 so the easement may be properly located on these affected lots.

V. On the final plat tracing, a dimension shall be provided on Lot 15, Block 1 from the half section line to the east line of the 30-foot, north/south sanitary sewer easement.

W. On the final plat tracing, the discrepancy between line 43 of the engineer's text and the distance indicated on the face of the plat for the east line of the plat shall be resolved.

X. The final plat tracing shall depict Penstemon Street adjacent to the west line of Block 1 and 32nd Street North adjacent to the south line of Lot 1, Block 2. The centerlines of these perimeter streets shall be labeled along with a dimension for existing half-street right-of-way.

Y. The applicant's engineer is advised that the Register of Deeds is requiring the name(s) of the notary public, who acknowledges the signatures on this plat, to be printed beneath the notary's signature.

Z. To receive mail delivery without delay, and to avoid unnecessary expense, the applicant is advised of the necessity to meet with the U.S. Postal Service Growth Management Coordinator (phone 316-946-4527) prior to development of the plat so that the type of delivery, and the tentative mail box locations can be determined.

AA. Perimeter closure computations shall be submitted with the final plat tracing. Section 5-101(C).

BB. Recording of the plat within 30 days after approval by the City Council.

CC. A requirement of preliminary plat approval was for the applicant to meet with Traffic Engineering regarding access control to Webb Road at the proposed Northeast Circumferential intersection. This final plat depicts the same access control as was proposed on the preliminary plat. The representative from the City Engineer's office should be prepared to comment on necessary access control on Lot 9, Block 3.

DD. The representative from the City Engineer's office should be prepared to comment on the status of the applicant's drainage plan. Specifically, are the platting of minimum building pad elevations needed and are the widths, perimeters and locations of the numerous drainage easements acceptable?

S.W.D. NO. 20
STORM CHANNEL IN COMOTARA INDUSTRIAL PARK

PROJECT NO.

468-76-245-80170-000-000-001

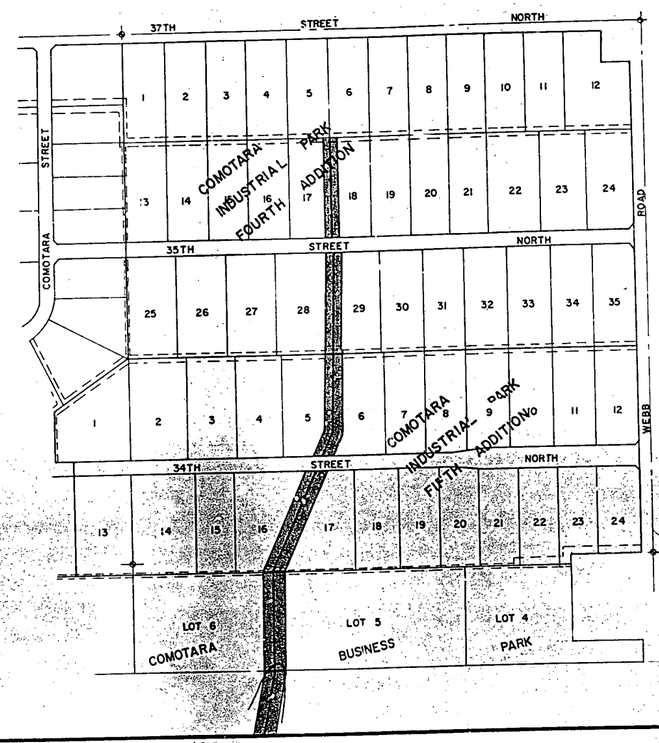
CITY OF WICHITA, KANSAS

R.W. LINN CITY ENGINEER

GENERAL NOTES

1. Excess excavated material to be disposed of on adjacent site as directed by developer, developer's engineer or site engineer.

2. FIELD ENGINEER SHALL TAKE TIES ON IRONS WHICH MAY BE DISTURBED DURING CONSTRUCTION. SUCH ALTERED IRONS SHALL BE REPLACED TO ORIGINAL LOCATION BY FIELD ENGINEER.



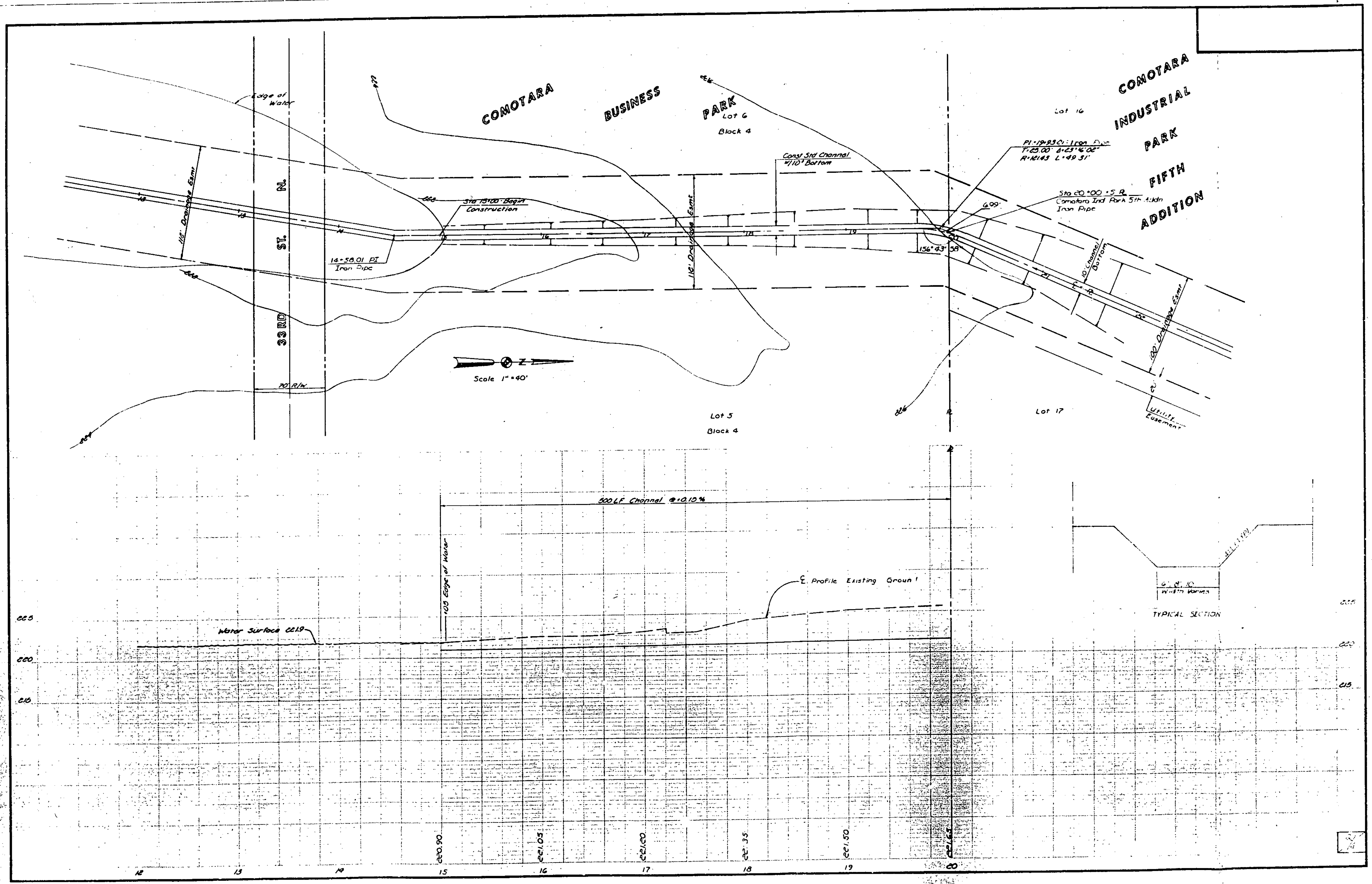
INDEX TO DRAWINGS

Kenneth H. Van Doren

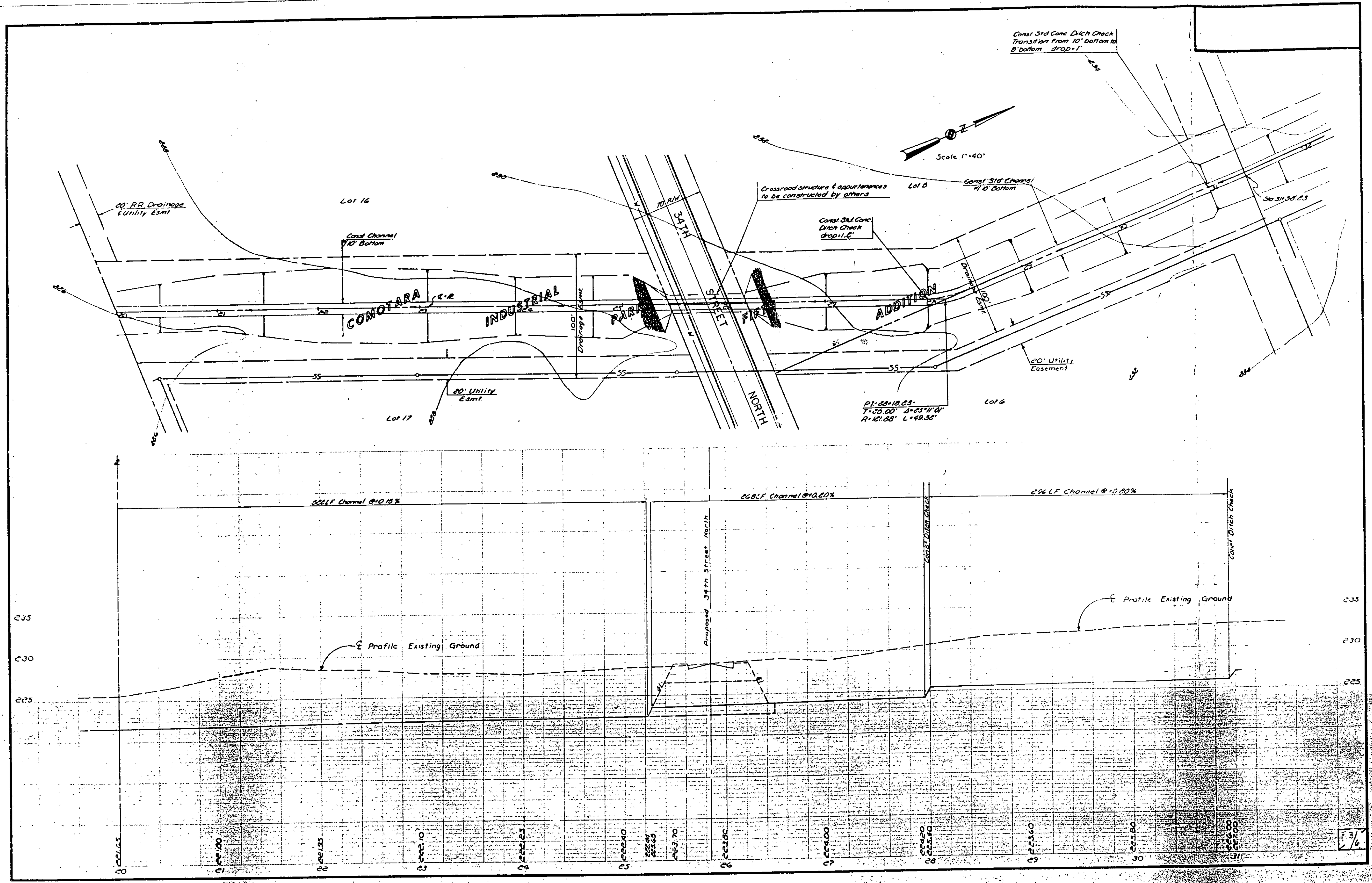
VAN DOREN - HAZARD - STALLINGS
ARCHITECTS - ENGINEERS - PLANNERS
WICHITA, KANSAS

SHEET 1 OF 16

22x36



COMOTARA BUSINESS PARK
Lot 6
Block 4
COMOTARA INDUSTRIAL PARK FIFTH ADDITION
Lot 16
Lot 17
Lot 5
Block 4
33RD ST. RD.
Edge of Water
Const Std Channel
Sta 15+00 Begin Construction
14+58.01 PI
Iron Pipe
Scale 1" = 40'
500 LF Channel @ 0.15%
Profile Existing Ground
Water Surface
Edge of Water
Width Varies
TYPICAL SECTION
Utility Easement



Const Std Conc Ditch Check Transition from 10' bottom to 8' bottom drop=1'
Scale 1"=40'
Lot 16
Lot 8
20' RR Drainage & Utility Esmt
Crossroad structure & appurtenances to be constructed by others
Const Std Channel 10' Bottom
Const Std Channel 10' Bottom
Const Std Conc Ditch Check drop=1.2'
COMOTARA INDUSTRIAL PARK FIFTH ADDITION
34TH STREET NORTH
100' Drainage Esmt
20' Utility Esmt
20' Utility Easement
Lot 17
Lot 6
500LF Channel @+0.15%
268LF Channel @+0.20%
296LF Channel @+0.20%
Proposed 34th Street North
Const Ditch Check
℄ Profile Existing Ground
℄ Profile Existing Ground
235
230
225
20
21
22
23
24
25
26
27
28
29
30
31

September 7, 1995

Ms. Vicky Huang, P.E.
City of Wichita Engineering
455 N. Main - 7th Floor
Wichita, KS 67202

Re: Heartspring
Floodway - Vacation Case

Dear Vicky,

Here is the TR-20 run and print of the reconfigured lake for Heartspring. The TR-20 run includes the entire detention that was built with K-96 and the proposed Heartspring lake. The TR-20 run is for developed conditions and includes the control structures. The control structures have not been constructed at this time. A copy of the petition for construction of these structures is included.

Pertinent information has been highlighted and/or described along side the TR-20 run. As indicated on page 13 of the printout, the 100 year lake elevation for Heartspring will raise to an elevation of 215.70 (city datum). The 100 yr. discharge in the 7' x 3.5 box under 29th Street would be 185 cfs. The 185 cfs is the design flow which was used for the drainage through Tallgrass.

A guarantee for the construction of the pond is submitted herewith as required.

Please review these items and call if you have a question. The updated drawing indicating the new drainage easement and the signed separate instrument dedicating the drainage easement is included.

Sincerely,

MID-KANSAS ENGINEERING CONSULTANTS, INC.

Greg Allison, P.E.

GJA/ay

DRAINAGE EASEMENT

THIS EASEMENT made this 6th day of September, 1995, by and between Heartspring, Inc. of the first part and City of Wichita, Sedgwick County, Kansas, of the second part.

WITNESSED: that the said first party, in consideration of the sum of One Dollar ($1.00) and other valuable consideration, the receipt whereof is hereby acknowledged, do hereby grant and convey unto the said second party a perpetual right of way and easement for the purpose of construction, maintaining and repairing their drainage system, along and under the following described real estate situated in Sedgwick County, Kansas, to wit:

A tract of land lying in Lot 15, Block 1, MEDITERRANEAN PLAZA, an addition to Wichita, Sedgwick County, Kansas, more particularly described as follows:

Commencing at the Southwest corner of said Lot 15; thence N 89° 08' 48" E, 239.63 feet along the South line of said Lot 15 to the point of beginning; thence N 00° 52' 20" W, 61.66 feet; thence N 42° 37' 06" E, 22.31 feet; thence N 01° 07' 55" W, 72.09 feet; thence N 34° 07' 32" E, 37.99 feet to a point on a curve to the left; thence along said curve 125.11 feet, said curve having a central angle of 34° 58' 06", a radius of 205.00 feet, and a long chord of 123.18 feet, bearing S 72° 30' 57" E; thence S 90° 00' 00" E, 134.63 feet to a point on a curve to the left; thence along said curve 170.05 feet, said curve having a central angle of 19° 37' 48", a radius of 496.34 feet, and a long chord of 169.22 feet, bearing N 82° 18' 37" E to a point on a curve to the left; thence along said curve 163.14 feet, said curve having a central angle of 37° 23' 21", a radius of 250.00 feet, and a long chord of 160.26 feet, bearing N 53° 48' 02" E; thence N 35° 06' 22" E, 372.65 feet to a point on a curve to the left; thence along said curve 74.51 feet, said curve having a central angle of 40° 39' 36", a radius of 105.00 feet, and a long chord of 72.96 feet, bearing N 14° 46' 34" E to a point on a curve to the left; thence along said curve 325.30 feet, said curve having a central angle of 37° 24' 30", a radius of 498.24 feet, and a long chord of 319.55 feet, bearing N 24° 12' 32" W; thence N 44° 01' 02" E, 50.22 feet; thence S 45° 58' 58" E, 550.00 feet; thence S 44° 01' 02" W, 15.00 feet; thence N 45° 58' 58" W, 47.78 feet; thence S 51° 58' 58" W, 294.79 feet; thence S 30° 12' 12" E, 119.69 feet; thence S 36° 54' 56" W, 90.15 feet; thence S 03° 21' 52" W, 65.59 feet; thence S 58° 09' 27" E, 118.72 feet; thence S 00° 53' 15" E, 105.29 feet to a point on the South line of said Lot 15; thence S 89° 06' 45" W, 943.28 feet along said South line to the point of beginning.

And said second party is hereby granted the right to enter upon said premises at any time for the purpose of constructing, operating, maintaining and repairing their storm sewer or drainage system.

IN WITNESS WHEREOF: The said first party has signed these presents the day and year first written.

PETITION
FLOOD DETENTION RESERVOIR
HEARTSPRING

To the Mayor and City Council
Wichita, Kansas

Dear Council Members:

1. We, the undersigned owners of record as below designated, of lots, parcels, and tracts of real property lying within the area described generally as follows:

MEDITERRANEAN PLAZA

Lot 15, Block 1

do hereby petition, pursuant to the provisions of K.S.A. 1980 Supp. 12-6a01 et seq., as follows:

(a) That there be constructed a Flood Detention Reservoir and Bridge Structure to serve the area described above, according to plans and specifications to be furnished by the City Engineer of the City of Wichita, Kansas.

(b) That the estimated and probable cost of the foregoing improvements being Four Hundred Ten Thousand Dollars ($410,000.00) with 100% payable by the improvement district. Said estimated cost as above set forth is hereby increased at the pro-rata rate of 1 percent per month from and after October 1, 1995.

(c) That the land or area above described be constituted as an improvement district against which shall be assessed the total actual cost of the improvement for which the improvement district is liable.

(d) That the method of assessment of all costs of the improvements for which the improvement district shall be liable shall be:

Lot 15, Block 1, Mediterranean Plaza Addition shall pay 100 percent of the total cost payable by the improvement district.

Where the ownership of a single lot is or may be divided into two or more parcels, the assessment to the lot so divided shall be assessed to each ownership or parcel on a square foot basis.

(e) Signatures on this petition are made with full knowledge and understanding that said signatures constitute a waiver of any assistance available through the Special Assessment Deferral Program, in accordance with City of Wichita Ordinance No. 38-559.

HEARTSPRING
COST ESTIMATE FOR
FLOOD DETENTION RESERVOIR

Description	Quantity/Unit	Unit Price	Extension
1. Excavation	70,000 CY	$2.00	$140,000.00
2. Compacted Fill	30,000 CY	5.00	150,000.00
3. Bridge Structure (2 - 8' x 4' RCB, Concrete pipe or CMP)	80 LF	450.00	36,000.00
4. Handrails	Lump	Sum	10,000.00
5. Headwall	Lump	Sum	20,000.00
		SUB TOTAL	$356,000.00
15% Engineering, Administration, Contingencies, etc.			53,400.00
		PROJECT TOTAL	$409,400.00

Use $410,000.00 for Petition

```
**********80-80 LIST OF INPUT DATA FOR TR-20 HYDROLOGY**********

JOB TR-20                                                SUMMARY   NOPLOTS
TITLE 013 MEDITERRANEAN PLAZA LAKES - HEARTSPRING SITE            2,5,10,100-YR 6-HR
TITLE     MDTPZL13      06 SEPT 1995                              24-HR ZONE 5
 4 DIMHYD                                                          256
 8          .0          .150        .320        .6          .93
 8          1.0         .96         .88         .78         .69
 8          .59         .52         .48         .43         .39
 8          .35         .32         .29         .26         .23
 8          .21         .2          .19         .18         .17
 8          .16         .15         .14         .13         .12
 8          .11         .1          .09         .08         .07
 8          .06         .05         .045        .04         .035
 8          .03         .025        .02         .015        .01
 8          .0          .0          .0          .0          .0
 9 ENDTBL
 4 DIMHYD                0.02                                      484
 8          .000        .030        .100        .190        .310
 8          .470        .660        .820        .930        .990
 8          1.000       .990        .930        .860        .780
 8          .680        .560        .460        .390        .330
 8          .280        .241        .207        .174        .147
 8          .126        .107        .091        .077        .066
 8          .055        .047        .040        .034        .029
 8          .025        .021        .018        .015        .013
 8          .011        .009        .008        .007        .006
 8          .005        .004        .003        .002        .001
 8          .000        .000        .000        .000        .000
 9 ENDTBL
 5 RAINFL 6              0.08333                                   6-HR M&L
 8          0.0000      0.0033      0.0066      0.0099      0.0132
 8          0.0166      0.0198      0.0248      0.0296      0.0346
 8          0.0404      0.0463      0.0522      0.0590      0.0658
 8          0.0727      0.0796      0.0864      0.0933      0.1136
 8          0.1340      0.1572      0.1832      0.2124      0.2473
 8          0.2850      0.3400      0.4464      0.6034      0.6752
 8          0.7220      0.7409      0.7598      0.7758      0.7919
 8          0.8072      0.8224      0.8310      0.8396      0.8468
 8          0.8540      0.8628      0.8714      0.8773      0.8832
 8          0.8890      0.8939      0.8988      0.9038      0.9086
 8          0.9136      0.9184      0.9233      0.9282      0.9332
 8          0.9380      0.9429      0.9478      0.9527      0.9576
 8          0.9626      0.9664      0.9704      0.9742      0.9782
 8          0.9821      0.9860      0.9884      0.9906      0.9930
 8          0.9954      0.9976      1.0000      1.0000      1.0000
 9 ENDTBL
 5 RAINFL 7              0.5                                       24-HRSCS
```

```
**********80-80 LIST OF INPUT DATA (CONTINUED)**********

 8          .000        .002        .005        .009        .013
 8          .018        .023        .029        .035        .042
 8          .050        .059        .068        .078        .089
 8          .101        .114        .128        .144        .162
 8          .183        .208        .244        .339        .723
 8          .773        .802        .825        .844        .861
 8          .876        .890        .903        .914        .924
 8          .934        .943        .951        .959        .966
 8          .972        .977        .982        .986        .990
 8          .993        .996        .998       1.000       1.000
 9 ENDTBL
 3 STRUCT      28
 8                      216.5         0.0         0.0
 8                      217.0         6.0        1.46
 8                      218.0        15.0        4.48
 8                      219.0        30.0        7.66
 8                      220.0        99.0       11.01
 8                      221.0       150.0       14.53
 8                      222.0       203.0       18.21
 8                      223.0       250.0       22.07
 8                      224.0       295.0       26.12
 8                      225.0       325.0       30.47
 8                      226.0       345.0       35.18
 9 ENDTBL
 3 STRUCT      45
 8                      218.0         0.0         0.0
 8                      219.0         0.1        1.62
 8                      220.0         0.2        3.36
 8                      221.0         0.3        5.20
 8                      222.0         0.4        7.18
 8                      223.0        15.8        9.28
 8                      224.0        44.8       11.49
 8                      225.0       198.0       13.82
 8                      226.0       560.0       16.26
 9 ENDTBL
 3 STRUCT      49
 8                      213.0         0.0         0.0
 8                      214.0        45.0        5.08
 8                      215.0        90.0       10.54
 8                      216.0       135.0       16.39
 8                      217.0       180.0       22.62
 8                      218.0       225.0       29.26
 8                      219.0       270.0       33.82
 9 ENDTBL
 3 STRUCT      51
 8                      208.0         0.0         0.0
```

NW LAKE
NORTH OF K-96
NO CONTROL STRUCTURE
BUILT AS OF
THIS DATA

NE LAKE
NORTH OF K-96
NO CONTROL STRUCTURE
BUILT AS OF
THIS DATA

COMBINE
LAKE BETWEEN K-96 & CYPRESS
LAKE JUST S. OF CYPRESS
NO CONTROL STRUCTURES
BUILT AS OF
THIS DATA

SOUTH LAKE
@
HEARTSPRING

```
**********80-80 LIST OF INPUT DATA (CONTINUED)**********

 8                       209.0       19.0        2.93
 8                       210.0       45.0        6.47
 8                       211.0       70.0       10.19
 8                       212.0       97.0       14.09
 8                       213.0      122.0       18.13
 8                       214.0      148.0       22.27
 8                       215.0      173.0       26.50
 8                       216.0      190.0       30.84
 9 ENDTBL
 6 RUNOFF 1 044        7 0.0638      91.0        0.4000                  1
 6 RUNOFF 1 045        6 0.0024     100.0        0.02                    1
 6 ADDHYD 4 045   7 6 5                                                 1
 6 RESVOR 2    45 5    4 218.0                                         1
 6 RUNOFF 1 146        6 0.0041      94.0        0.2833                  1
 6 ADDHYD 4 146   4 6 7                                                 1
 6 RUNOFF 1 046        6 0.0041      94.0        0.2833                  1
 6 ADDHYD 4 046   7 6 1                                                 1
 6 RUNOFF 1 027        7 0.1753      92.0        0.4333                  1
 6 RUNOFF 1 028        6 0.0045     100.0        0.02                    1
 6 ADDHYD 4 028   7 6 4                                                 1
 6 RESVOR 2    28 4    7 216.5                                         1
 6 RUNOFF 1 132        6 0.0044      94.0        0.3500                  1
 6 ADDHYD 4 132   7 6 5                                                 1
 6 RUNOFF 1 032        6 0.0044      94.0        0.3500                  1
 6 ADDHYD 4 032   5 6 2                                                 1
 6 ADDHYD 4 133   1 2 3                                                 1
 6 RUNOFF 1 047        7 0.0154      91.0        0.3000                  1
 6 RUNOFF 1 147        6 0.0049     100.0        0.02                    1
 6 ADDHYD 4 148   7 6 5                                                 1
 6 ADDHYD 4 100   3 5 7                                                 1
 6 SAVMOV 5 100   7   3
 6 RUNOFF 1 049        7 0.0384      84.0        0.3000                  1
 6 RUNOFF 1 149        6 0.0022     100.0        0.02                    1
 6 ADDHYD 4 150   7 6 5                                                 1
 6 ADDHYD 4 101   3 5 7                                                 1
 6 SAVMOV 5 101   7   5
 6 RESVOR 2    49 5    4 212.0                                         1
 6 RUNOFF 1 050        5 0.0416      84.0        0.3000                  1
 6 RUNOFF 1 051        6 0.0018     100.0        0.02                    1
 6 ADDHYD 4 051   5 6 7                                                 1
 6 ADDHYD 4 102   4 7 5                                                 1
 6 SAVMOV 5 102   5   7
 6 RESVOR 2    51 7    5 208.0                                         1
   ENDATA
 7 INCREM 6              0.08333
 7 COMPUT 7 044      51 0.0         2.52        1.0         6 2  11  01   2-YR, 6-HR
```

```
**********80-80 LIST OF INPUT DATA (CONTINUED)**********

   ENDCMP 1
 7 COMPUT 7 044      51 0.0        3.42        1.0        6 2  12  02   5-YR , 6-HR
   ENDCMP 1
 7 COMPUT 7 044      51 0.0        4.02        1.0        6 2  13  03   10-YR, 6-HR
   ENDCMP 1
 7 COMPUT 7 044      51 0.0        5.94        1.0        6 2  14  04   100-YR , 6-HR
   ENDCMP 1
 7 COMPUT 7 044      51 0.0        3.48        1.0        7 2  21  01   2-YR, 24-HR
   ENDCMP 1
 7 COMPUT 7 044      51 0.0        4.55        1.0        7 2  22  02   5-YR, 24-HR
   ENDCMP 1
 7 COMPUT 7 044      51 0.0        5.25        1.0        7 2  23  03   10-YR, 24-HR
   ENDCMP 1
 7 COMPUT 7 044      51 0.0        7.80        1.0        7 2  24  04   100-YR, 24-HR
   ENDCMP 1
   ENDJOB 2

**********END OF 80-80 LIST**********
```

COMPUTED PEAK RATE FACTOR = 256.08

COMPUTED PEAK RATE FACTOR = 484.00

EXECUTIVE CONTROL INCREM MAIN TIME INCREMENT = .08 HOURS

EXECUTIVE CONTROL COMPUT
STARTING TIME = .00
ANT. MOIST. COND. = 2
ALTERNATE NO.=11
FROM XSECTION 44 TO STRUCTURE 51
RAIN DEPTH = 2.52 RAIN DURATION= 1.00
MAIN TIME INCREMENT = .08 HOURS
STORM NO.= 1 RAIN TABLE NO.= 6

EXECUTIVE CONTROL ENDCMP COMPUTATIONS COMPLETED FOR PASS 1

EXECUTIVE CONTROL COMPUT
STARTING TIME = .00
ANT. MOIST. COND. = 2
ALTERNATE NO.=12
FROM XSECTION 44 TO STRUCTURE 51
RAIN DEPTH = 3.42 RAIN DURATION= 1.00
MAIN TIME INCREMENT = .08 HOURS
STORM NO.= 2 RAIN TABLE NO.= 6

EXECUTIVE CONTROL ENDCMP COMPUTATIONS COMPLETED FOR PASS 2

EXECUTIVE CONTROL COMPUT
STARTING TIME = .00
ANT. MOIST. COND. = 2
ALTERNATE NO.=13
FROM XSECTION 44 TO STRUCTURE 51
RAIN DEPTH = 4.02 RAIN DURATION= 1.00
MAIN TIME INCREMENT = .08 HOURS
STORM NO.= 3 RAIN TABLE NO.= 6

EXECUTIVE CONTROL ENDCMP COMPUTATIONS COMPLETED FOR PASS 3

EXECUTIVE CONTROL COMPUT
STARTING TIME = .00
ANT. MOIST. COND. = 2
ALTERNATE NO.=14
FROM XSECTION 44 TO STRUCTURE 51
RAIN DEPTH = 5.94 RAIN DURATION= 1.00
MAIN TIME INCREMENT = .08 HOURS
STORM NO.= 4 RAIN TABLE NO.= 6

EXECUTIVE CONTROL ENDCMP COMPUTATIONS COMPLETED FOR PASS 4

EXECUTIVE CONTROL COMPUT FROM XSECTION 44 TO STRUCTURE 51
STARTING TIME = .00 RAIN DEPTH = 3.48 RAIN DURATION= 1.00
ANT. MOIST. COND. = 2 MAIN TIME INCREMENT = .08 HOURS
ALTERNATE NO.=21 STORM NO.= 1 RAIN TABLE NO.= 7

*** WARNING - STRUCTURE 45, HYDROGRAPH VOLUME TRUNCATED AT 0 CFS
(17. % OF MAX. HYDROGRAPH COORDINATE)
MAIN TIME INCREMENT TOO SMALL. ***

*** WARNING - XSECTION 149, HYDROGRAPH VOLUME TRUNCATED AT 0 CFS
(13. % OF MAX. HYDROGRAPH COORDINATE)
MAIN TIME INCREMENT TOO SMALL. ***

*** WARNING - XSECTION 51, HYDROGRAPH VOLUME TRUNCATED AT 0 CFS
(13. % OF MAX. HYDROGRAPH COORDINATE)
MAIN TIME INCREMENT TOO SMALL. ***

EXECUTIVE CONTROL ENDCMP COMPUTATIONS COMPLETED FOR PASS 5

EXECUTIVE CONTROL COMPUT FROM XSECTION 44 TO STRUCTURE 51
STARTING TIME = .00 RAIN DEPTH = 4.55 RAIN DURATION= 1.00
ANT. MOIST. COND. = 2 MAIN TIME INCREMENT = .08 HOURS
ALTERNATE NO.=22 STORM NO.= 2 RAIN TABLE NO.= 7

EXECUTIVE CONTROL ENDCMP COMPUTATIONS COMPLETED FOR PASS 6

EXECUTIVE CONTROL COMPUT FROM XSECTION 44 TO STRUCTURE 51
STARTING TIME = .00 RAIN DEPTH = 5.25 RAIN DURATION= 1.00
ANT. MOIST. COND. = 2 MAIN TIME INCREMENT = .08 HOURS
ALTERNATE NO.=23 STORM NO.= 3 RAIN TABLE NO.= 7

EXECUTIVE CONTROL ENDCMP COMPUTATIONS COMPLETED FOR PASS 7

EXECUTIVE CONTROL COMPUT FROM XSECTION 44 TO STRUCTURE 51
STARTING TIME = .00 RAIN DEPTH = 7.80 RAIN DURATION= 1.00
ANT. MOIST. COND. = 2 MAIN TIME INCREMENT = .08 HOURS
ALTERNATE NO.=24 STORM NO.= 4 RAIN TABLE NO.= 7

EXECUTIVE CONTROL ENDCMP COMPUTATIONS COMPLETED FOR PASS 8

SUMMARY TABLE 1

SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL IN ORDER PERFORMED.
A CHARACTER FOLLOWING THE PEAK DISCHARGE TIME AND RATE (CFS) INDICATES:
F-FLAT TOP HYDROGRAPH T-TRUNCATED HYDROGRAPH R-RISING TRUNCATED HYDROGRAPH

RAINFALL OF 2.52 inches AND 6.00 hr DURATION, BEGINS AT .0 hrs.
RAINTABLE NUMBER 6, AMC 2
MAIN TIME INCREMENT .08 HOURS

ALTERNATE 11 STORM 1

XSECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
XSECTION 44	RUNOFF	.06	1.63	---	2.55	79	1316.7
XSECTION 45	RUNOFF	.00	2.46	---	2.32	7	********
XSECTION 45	ADDHYD	.07	1.66	---	2.55	80	1142.9
STRUCTURE 45	RESVOR	.07	.00	---	.00	0	.0
XSECTION 146	RUNOFF	.00	1.87	---	2.47	7	********
XSECTION 146	ADDHYD	.07	.32	---	2.47	7	100.0
XSECTION 46	RUNOFF	.00	1.87	---	2.47	7	********
XSECTION 46	ADDHYD	.07	.40	---	2.47	14	200.0
XSECTION 27	RUNOFF	.18	1.71	---	2.57	216	1200.0
XSECTION 28	RUNOFF	.00	2.46	---	2.32	14	********
XSECTION 28	ADDHYD	.18	1.73	---	2.56	218	1211.1
STRUCTURE 28	RESVOR	.18	1.73	219.45	3.13	61	338.9
XSECTION 132	RUNOFF	.00	1.88	---	2.51	7	********
XSECTION 132	ADDHYD	.18	1.73	---	3.12	63	350.0
XSECTION 32	RUNOFF	.00	1.88	---	2.51	7	********
XSECTION 32	ADDHYD	.19	1.74	---	3.11	64	336.8
XSECTION 133	ADDHYD	.26	1.36	---	3.09	67	257.7
XSECTION 47	RUNOFF	.02	1.63	---	2.49	22	1100.0
XSECTION 147	RUNOFF	.00	2.46	---	2.32	15	********
XSECTION 148	ADDHYD	.02	1.83	---	2.37	29	1450.0
XSECTION 100	ADDHYD	.28	1.39	---	3.04	72	257.1
XSECTION 49	RUNOFF	.04	1.13	---	2.50	37	925.0
XSECTION 149	RUNOFF	.00	2.46	---	2.32	7	********
XSECTION 150	ADDHYD	.04	1.20	---	2.49	39	975.0
XSECTION 101	ADDHYD	.32	1.37	---	2.50	106	331.3
STRUCTURE 49	RESVOR	.32	1.37	214.13	3.79	51	159.4
XSECTION 50	RUNOFF	.04	1.13	---	2.50	40	1000.0
XSECTION 51	RUNOFF	.00	2.46	---	2.32	5	********

SUMMARY TABLE 1

SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL IN ORDER PERFORMED.
A CHARACTER FOLLOWING THE PEAK DISCHARGE TIME AND RATE (CFS) INDICATES:
F-FLAT TOP HYDROGRAPH T-TRUNCATED HYDROGRAPH R-RISING TRUNCATED HYDROGRAPH

XSECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	TIME (HR)	RATE (CFS)	RATE (CSM)
ALTERNATE 11 STORM 1							
XSECTION 51	ADDHYD	.04	1.19	---	2.50	42	1050.0
XSECTION 102	ADDHYD	.37	1.35	---	2.54	63	170.3
STRUCTURE 51	RESVOR	.37	1.34	209.68	5.50	42	113.5
RAINFALL OF 3.42 inches AND 6.00 hr DURATION, BEGINS AT .0 hrs.							
ALTERNATE 12 STORM 2							
XSECTION 44	RUNOFF	.06	2.46	---	2.54	119	1983.3
XSECTION 45	RUNOFF	.00	3.34	---	2.32	10	********
XSECTION 45	ADDHYD	.07	2.49	---	2.53	121	1728.6
STRUCTURE 45	RESVOR	.07	.66	222.34	5.71	6	85.7
XSECTION 146	RUNOFF	.00	2.75	---	2.47	10	********
XSECTION 146	ADDHYD	.07	.78	---	2.47	10	142.9
XSECTION 46	RUNOFF	.00	2.75	---	2.47	10	********
XSECTION 46	ADDHYD	.07	.89	---	2.47	20	285.7
XSECTION 27	RUNOFF	.18	2.55	---	2.57	322	1788.9
XSECTION 28	RUNOFF	.00	3.34	---	2.32	18	********
XSECTION 28	ADDHYD	.18	2.58	---	2.56	325	1805.6
STRUCTURE 28	RESVOR	.18	2.58	220.39	2.99	119	661.1
XSECTION 132	RUNOFF	.00	2.75	---	2.51	10	********
XSECTION 132	ADDHYD	.18	2.58	---	2.97	121	672.2
XSECTION 32	RUNOFF	.00	2.75	---	2.51	10	********
XSECTION 32	ADDHYD	.19	2.58	---	2.95	124	652.6
XSECTION 133	ADDHYD	.26	2.10	---	2.93	129	496.2
XSECTION 47	RUNOFF	.02	2.44	---	2.48	33	1650.0
XSECTION 147	RUNOFF	.00	3.34	---	2.32	20	********
XSECTION 148	ADDHYD	.02	2.67	---	2.37	42	2100.0
XSECTION 100	ADDHYD	.28	2.14	---	2.85	139	496.4
XSECTION 49	RUNOFF	.04	1.87	---	2.50	63	1575.0
XSECTION 149	RUNOFF	.00	3.34	---	2.32	9	********

SUMMARY TABLE 1

SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL IN ORDER PERFORMED.
A CHARACTER FOLLOWING THE PEAK DISCHARGE TIME AND RATE (CFS) INDICATES:
F-FLAT TOP HYDROGRAPH T-TRUNCATED HYDROGRAPH R-RISING TRUNCATED HYDROGRAPH

XSECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	TIME (HR)	RATE (CFS)	RATE (CSM)
ALTERNATE 12 STORM 2							
XSECTION 150	ADDHYD	.04	1.95	---	2.49	65	1625.0
XSECTION 101	ADDHYD	.32	2.12	---	2.67	171	534.4
STRUCTURE 49	RESVOR	.32	2.12	214.99	3.74	90	281.3
XSECTION 50	RUNOFF	.04	1.87	---	2.50	68	1700.0
XSECTION 51	RUNOFF	.00	3.34	---	2.32	7	********
XSECTION 51	ADDHYD	.04	1.93	---	2.49	70	1750.0
XSECTION 102	ADDHYD	.37	2.10	---	2.53	103	278.4
STRUCTURE 51	RESVOR	.37	2.09	211.00	5.27	70	189.2
RAINFALL OF 4.02 inches AND 6.00 hr DURATION, BEGINS AT .0 hrs.							
ALTERNATE 13 STORM 3							
XSECTION 44	RUNOFF	.06	3.03	---	2.54	145	2416.7
XSECTION 45	RUNOFF	.00	3.93	---	2.32	11	********
XSECTION 45	ADDHYD	.07	3.06	---	2.53	147	2100.0
STRUCTURE 45	RESVOR	.07	1.23	222.66	4.12	10	142.9
XSECTION 146	RUNOFF	.00	3.34	---	2.47	12	********
XSECTION 146	ADDHYD	.07	1.35	---	2.47	12	171.4
XSECTION 46	RUNOFF	.00	3.34	---	2.47	12	********
XSECTION 46	ADDHYD	.07	1.46	---	2.47	24	342.9
XSECTION 27	RUNOFF	.18	3.13	---	2.56	393	2183.3
XSECTION 28	RUNOFF	.00	3.93	---	2.32	22	********
XSECTION 28	ADDHYD	.18	3.15	---	2.55	396	2200.0
STRUCTURE 28	RESVOR	.18	3.15	221.05	2.96	153	850.0
XSECTION 132	RUNOFF	.00	3.34	---	2.51	12	********
XSECTION 132	ADDHYD	.18	3.16	---	2.94	156	866.7
XSECTION 32	RUNOFF	.00	3.34	---	2.51	12	********
XSECTION 32	ADDHYD	.19	3.16	---	2.93	159	836.8
XSECTION 133	ADDHYD	.26	2.68	---	2.95	165	634.6
XSECTION 47	RUNOFF	.02	3.01	---	2.48	40	2000.0

SUMMARY TABLE 1

SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL IN ORDER PERFORMED.
A CHARACTER FOLLOWING THE PEAK DISCHARGE TIME AND RATE (CFS) INDICATES:
F-FLAT TOP HYDROGRAPH T-TRUNCATED HYDROGRAPH R-RISING TRUNCATED HYDROGRAPH

XSECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 13 STORM 3							
XSECTION 147	RUNOFF	.00	3.93	---	2.32	23	********
XSECTION 148	ADDHYD	.02	3.23	---	2.37	51	2550.0
XSECTION 100	ADDHYD	.28	2.72	---	2.80	179	639.3
XSECTION 49	RUNOFF	.04	2.39	---	2.49	80	2000.0
XSECTION 149	RUNOFF	.00	3.93	---	2.32	11	********
XSECTION 150	ADDHYD	.04	2.47	---	2.48	84	2100.0
XSECTION 101	ADDHYD	.32	2.69	---	2.59	237	740.6
STRUCTURE 49	RESVOR	.32	2.69	215.59	3.85	117	365.6
XSECTION 50	RUNOFF	.04	2.39	---	2.49	87	2175.0
XSECTION 51	RUNOFF	.00	3.93	---	2.32	9	********
XSECTION 51	ADDHYD	.04	2.45	---	2.49	90	2250.0
XSECTION 102	ADDHYD	.37	2.66	---	2.53	131	354.1
STRUCTURE 51	RESVOR	.37	2.66	211.83	5.32	92	248.6
RAINFALL OF 5.94 inches AND 6.00 hr DURATION, BEGINS AT .0 hrs.							
ALTERNATE 14 STORM 4							
XSECTION 44	RUNOFF	.06	4.89	---	2.54	230	3833.3
XSECTION 45	RUNOFF	.00	5.81	---	2.32	17	********
XSECTION 45	ADDHYD	.07	4.93	---	2.53	234	3342.9
STRUCTURE 45	RESVOR	.07	3.09	224.02	3.19	48	685.7
XSECTION 146	RUNOFF	.00	5.24	---	2.46	18	********
XSECTION 146	ADDHYD	.07	3.21	---	3.18	51	728.6
XSECTION 46	RUNOFF	.00	5.24	---	2.46	18	********
XSECTION 46	ADDHYD	.07	3.32	---	3.17	53	757.1
XSECTION 27	RUNOFF	.18	5.01	---	2.55	614	3411.1
XSECTION 28	RUNOFF	.00	5.81	---	2.32	32	********
XSECTION 28	ADDHYD	.18	5.03	---	2.55	620	3444.4
STRUCTURE 28	RESVOR	.18	5.03	223.09	2.93	254	1411.1
XSECTION 132	RUNOFF	.00	5.24	---	2.50	18	********

SUMMARY TABLE 1

SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL IN ORDER PERFORMED.
A CHARACTER FOLLOWING THE PEAK DISCHARGE TIME AND RATE (CFS) INDICATES:
F-FLAT TOP HYDROGRAPH T-TRUNCATED HYDROGRAPH R-RISING TRUNCATED HYDROGRAPH

XSECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 14 STORM 4							
XSECTION 132	ADDHYD	.18	5.03	---	2.91	259	1438.9
XSECTION 32	RUNOFF	.00	5.24	---	2.50	18	********
XSECTION 32	ADDHYD	.19	5.04	---	2.88	265	1394.7
XSECTION 133	ADDHYD	.26	4.55	---	2.94	312	1200.0
XSECTION 47	RUNOFF	.02	4.89	---	2.48	63	3150.0
XSECTION 147	RUNOFF	.00	5.81	---	2.32	35	********
XSECTION 148	ADDHYD	.02	5.11	---	2.37	79	3950.0
XSECTION 100	ADDHYD	.28	4.59	---	2.87	331	1182.1
XSECTION 49	RUNOFF	.04	4.14	---	2.49	137	3425.0
XSECTION 149	RUNOFF	.00	5.81	---	2.32	16	********
XSECTION 150	ADDHYD	.04	4.23	---	2.48	142	3550.0
XSECTION 101	ADDHYD	.32	4.55	---	2.54	429	1340.6
STRUCTURE 49	RESVOR	.32	4.55	217.58	3.90	206	643.8
XSECTION 50	RUNOFF	.04	4.14	---	2.49	148	3700.0
XSECTION 51	RUNOFF	.00	5.81	---	2.32	13	********
XSECTION 51	ADDHYD	.04	4.21	---	2.48	153	3825.0
XSECTION 102	ADDHYD	.37	4.51	---	2.53	227	613.5
STRUCTURE 51	RESVOR	.37	4.50	214.53	5.47	161	435.1

RAINFALL OF 3.48 inches AND 24.00 hr DURATION, BEGINS AT .0 hrs.
RAINTABLE NUMBER 7, AMC 2

ALTERNATE 21 STORM 1							
XSECTION 44	RUNOFF	.06	2.52	---	12.05	85	1416.7
XSECTION 45	RUNOFF	.00	3.52	---	11.84	4	********
XSECTION 45	ADDHYD	.07	2.56	---	12.02	87	1242.9
STRUCTURE 45	RESVOR	.07	.59	222.16	16.92F	3F	42.9
XSECTION 146	RUNOFF	.00	2.81	---	11.99	6	********
XSECTION 146	ADDHYD	.07	.72	---	11.99	7	100.0
XSECTION 46	RUNOFF	.00	2.81	---	11.99	6	********

SUMMARY TABLE 1

SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL IN ORDER PERFORMED.
A CHARACTER FOLLOWING THE PEAK DISCHARGE TIME AND RATE (CFS) INDICATES:
F-FLAT TOP HYDROGRAPH T-TRUNCATED HYDROGRAPH R-RISING TRUNCATED HYDROGRAPH

XSECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 21 STORM 1							
XSECTION 46	ADDHYD	.07	.84	---	11.99	13	185.7
XSECTION 27	RUNOFF	.18	2.61	---	12.06	234	1300.0
XSECTION 28	RUNOFF	.00	3.52	---	11.84	8	********
XSECTION 28	ADDHYD	.18	2.64	---	12.04	237	1316.7
STRUCTURE 28	RESVOR	.18	2.63	220.08	12.41	103	572.2
XSECTION 132	RUNOFF	.00	2.81	---	12.02	6	********
XSECTION 132	ADDHYD	.18	2.64	---	12.39	105	583.3
XSECTION 32	RUNOFF	.00	2.81	---	12.02	6	********
XSECTION 32	ADDHYD	.19	2.64	---	12.37	108	568.4
XSECTION 133	ADDHYD	.26	2.13	---	12.35	111	426.9
XSECTION 47	RUNOFF	.02	2.52	---	12.00	22	1100.0
XSECTION 147	RUNOFF	.00	3.52	---	11.84	9	********
XSECTION 148	ADDHYD	.02	2.76	---	11.97	31	1550.0
XSECTION 100	ADDHYD	.28	2.18	---	12.27	120	428.6
XSECTION 49	RUNOFF	.04	1.92	---	12.00	42	1050.0
XSECTION 149	RUNOFF	.00	3.52	---	11.84T	4T	********
XSECTION 150	ADDHYD	.04	2.00	---	11.98	46	1150.0
XSECTION 101	ADDHYD	.32	2.15	---	12.15	149	465.6
STRUCTURE 49	RESVOR	.32	2.15	214.65	13.03	74	231.3
XSECTION 50	RUNOFF	.04	1.92	---	12.00	46	1150.0
XSECTION 51	RUNOFF	.00	3.52	---	11.83F	3F	********
XSECTION 51	ADDHYD	.04	1.98	---	11.98	49	1225.0
XSECTION 102	ADDHYD	.37	2.13	---	12.06	86	232.4
STRUCTURE 51	RESVOR	.37	2.12	210.51	14.40	58	156.8

RAINFALL OF 4.55 inches AND 24.00 hr DURATION, BEGINS AT .0 hrs.

ALTERNATE 22 STORM 2							
XSECTION 44	RUNOFF	.06	3.54	---	12.05	117	1950.0
XSECTION 45	RUNOFF	.00	4.60	---	11.87	5	********

SUMMARY TABLE 1

SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL IN ORDER PERFORMED.
A CHARACTER FOLLOWING THE PEAK DISCHARGE TIME AND RATE (CFS) INDICATES:
F-FLAT TOP HYDROGRAPH T-TRUNCATED HYDROGRAPH R-RISING TRUNCATED HYDROGRAPH

XSECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 22 STORM 2							
XSECTION 45	ADDHYD	.07	3.58	---	12.02	120	1714.3
STRUCTURE 45	RESVOR	.07	1.61	222.73	13.07	12	171.4
XSECTION 146	RUNOFF	.00	3.86	---	11.99	8	********
XSECTION 146	ADDHYD	.07	1.74	---	13.03	12	171.4
XSECTION 46	RUNOFF	.00	3.86	---	11.99	8	********
XSECTION 46	ADDHYD	.07	1.86	---	11.99	17	242.9
XSECTION 27	RUNOFF	.18	3.65	---	12.06	321	1783.3
XSECTION 28	RUNOFF	.00	4.60	---	11.87	10	********
XSECTION 28	ADDHYD	.18	3.67	---	12.04	325	1805.6
STRUCTURE 28	RESVOR	.18	3.66	221.06	12.39	153	850.0
XSECTION 132	RUNOFF	.00	3.86	---	12.02	9	********
XSECTION 132	ADDHYD	.18	3.67	---	12.37	156	866.7
XSECTION 32	RUNOFF	.00	3.86	---	12.02	9	********
XSECTION 32	ADDHYD	.19	3.67	---	12.35	159	836.8
XSECTION 133	ADDHYD	.26	3.16	---	12.37	169	650.0
XSECTION 47	RUNOFF	.02	3.54	---	11.99	30	1500.0
XSECTION 147	RUNOFF	.00	4.60	---	11.87	11	********
XSECTION 148	ADDHYD	.02	3.80	---	11.97	42	2100.0
XSECTION 100	ADDHYD	.28	3.21	---	12.19	184	657.1
XSECTION 49	RUNOFF	.04	2.86	---	12.00	62	1550.0
XSECTION 149	RUNOFF	.00	4.60	---	11.87	5	********
XSECTION 150	ADDHYD	.04	2.95	---	11.98	68	1700.0
XSECTION 101	ADDHYD	.32	3.17	---	12.07	238	743.8
STRUCTURE 49	RESVOR	.32	3.17	215.57	13.16	115	359.4
XSECTION 50	RUNOFF	.04	2.86	---	12.00	68	1700.0
XSECTION 51	RUNOFF	.00	4.60	---	11.87	4	********
XSECTION 51	ADDHYD	.04	2.93	---	11.98	72	1800.0
XSECTION 102	ADDHYD	.37	3.14	---	12.08	129	348.6
STRUCTURE 51	RESVOR	.37	3.12	211.76	14.50	91	245.9

SUMMARY TABLE 1

SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL IN ORDER PERFORMED.
A CHARACTER FOLLOWING THE PEAK DISCHARGE TIME AND RATE (CFS) INDICATES:
F-FLAT TOP HYDROGRAPH T-TRUNCATED HYDROGRAPH R-RISING TRUNCATED HYDROGRAPH

XSECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
RAINFALL OF 5.25 inches AND 24.00 hr DURATION, BEGINS AT .0 hrs.							
ALTERNATE 23 STORM 3							
XSECTION 44	RUNOFF	.06	4.22	---	12.05	138	2300.0
XSECTION 45	RUNOFF	.00	5.31	---	11.87	6	********
XSECTION 45	ADDHYD	.07	4.26	---	12.02	143	2042.9
STRUCTURE 45	RESVOR	.07	2.29	223.26	12.72	23	328.6
XSECTION 146	RUNOFF	.00	4.55	---	11.99	10	********
XSECTION 146	ADDHYD	.07	2.42	---	12.67	24	342.9
XSECTION 46	RUNOFF	.00	4.55	---	11.99	10	********
XSECTION 46	ADDHYD	.07	2.54	---	12.63	26	371.4
XSECTION 27	RUNOFF	.18	4.33	---	12.06	376	2088.9
XSECTION 28	RUNOFF	.00	5.31	---	11.87	12	********
XSECTION 28	ADDHYD	.18	4.35	---	12.04	382	2122.2
STRUCTURE 28	RESVOR	.18	4.34	221.68	12.37	186	1033.3
XSECTION 132	RUNOFF	.00	4.55	---	12.02	10	********
XSECTION 132	ADDHYD	.18	4.35	---	12.36	189	1050.0
XSECTION 32	RUNOFF	.00	4.55	---	12.02	10	********
XSECTION 32	ADDHYD	.19	4.35	---	12.34	193	1015.8
XSECTION 133	ADDHYD	.26	3.84	---	12.37	215	826.9
XSECTION 47	RUNOFF	.02	4.22	---	12.00	35	1750.0
XSECTION 147	RUNOFF	.00	5.31	---	11.87	13	********
XSECTION 148	ADDHYD	.02	4.49	---	11.97	49	2450.0
XSECTION 100	ADDHYD	.28	3.89	---	12.22	230	821.4
XSECTION 49	RUNOFF	.04	3.50	---	12.00	76	1900.0
XSECTION 149	RUNOFF	.00	5.31	---	11.87	6	********
XSECTION 150	ADDHYD	.04	3.60	---	11.98	82	2050.0

SUMMARY TABLE 1

SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL IN ORDER PERFORMED.
A CHARACTER FOLLOWING THE PEAK DISCHARGE TIME AND RATE (CFS) INDICATES:
F-FLAT TOP HYDROGRAPH T-TRUNCATED HYDROGRAPH R-RISING TRUNCATED HYDROGRAPH

XSECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 23 STORM 3							
XSECTION 101	ADDHYD	.32	3.85	---	12.07	292	912.5
STRUCTURE 49	RESVOR	.32	3.84	216.19	13.19	143	446.9
XSECTION 50	RUNOFF	.04	3.50	---	12.00	82	2050.0
XSECTION 51	RUNOFF	.00	5.31	---	11.87	5	********
XSECTION 51	ADDHYD	.04	3.57	---	11.98	87	2175.0
XSECTION 102	ADDHYD	.37	3.81	---	12.08	159	429.7
STRUCTURE 51	RESVOR	.37	3.80	212.59	14.56	112	302.7
RAINFALL OF 7.80 inches AND 24.00 hr DURATION, BEGINS AT .0 hrs.							
ALTERNATE 24 STORM 4							
XSECTION 44	RUNOFF	.06	6.72	---	12.05	214	3566.7
XSECTION 45	RUNOFF	.00	7.89	---	11.75F	9F	********
XSECTION 45	ADDHYD	.07	6.76	---	12.02	220	3142.9
STRUCTURE 45	RESVOR	.07	4.78	224.55	12.30	129	1842.9
XSECTION 146	RUNOFF	.00	7.08	---	11.99	15	********
XSECTION 146	ADDHYD	.07	4.91	---	12.29	136	1942.9
XSECTION 46	RUNOFF	.00	7.08	---	11.99	15	********
XSECTION 46	ADDHYD	.07	5.03	---	12.28	141	2014.3
XSECTION 27	RUNOFF	.18	6.84	---	12.06	580	3222.2
XSECTION 28	RUNOFF	.00	7.89	---	11.75F	18F	********
XSECTION 28	ADDHYD	.18	6.87	---	12.04	587	3261.1
STRUCTURE 28	RESVOR	.18	6.85	223.77	12.38	285	1583.3
XSECTION 132	RUNOFF	.00	7.08	---	12.02	16	********
XSECTION 132	ADDHYD	.18	6.86	---	12.35	290	1611.1
XSECTION 32	RUNOFF	.00	7.08	---	12.02	16	********
XSECTION 32	ADDHYD	.19	6.86	---	12.32	296	1557.9
XSECTION 133	ADDHYD	.26	6.34	---	12.28	437	1680.8
XSECTION 47	RUNOFF	.02	6.73	---	12.00	55	2750.0
XSECTION 147	RUNOFF	.00	7.89	---	11.75F	19F	********

100-YR, 24-HOUR STORM

SUMMARY TABLE 1

SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL IN ORDER PERFORMED.
A CHARACTER FOLLOWING THE PEAK DISCHARGE TIME AND RATE (CFS) INDICATES:
F-FLAT TOP HYDROGRAPH T-TRUNCATED HYDROGRAPH R-RISING TRUNCATED HYDROGRAPH

XSECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE ELEVATION (FT)	PEAK DISCHARGE TIME (HR)	PEAK DISCHARGE RATE (CFS)	PEAK DISCHARGE RATE (CSM)
ALTERNATE 24 STORM 4							
XSECTION 148	ADDHYD	.02	7.01	---	11.97	75	3750.0
XSECTION 100	ADDHYD	.28	6.39	---	12.25	463	1653.6
XSECTION 49	RUNOFF	.04	5.89	---	11.99	125	3125.0
XSECTION 149	RUNOFF	.00	7.89	---	11.75F	9F	********
XSECTION 150	ADDHYD	.04	6.00	---	11.98	134	3350.0
XSECTION 101	ADDHYD	.32	6.34	---	12.18	544	1700.0
STRUCTURE 49	RESVOR	.32	6.34	218.61	13.12	252	787.5
XSECTION 50	RUNOFF	.04	5.89	---	11.99	135	3375.0
XSECTION 51	RUNOFF	.00	7.89	---	11.75F	7F	********
XSECTION 51	ADDHYD	.04	5.98	---	11.98	143	3575.0
XSECTION 102	ADDHYD	.37	6.29	---	12.08	268	724.3
STRUCTURE 51	RESVOR	.37	6.27	215.70	14.71	185	500.0

SUMMARY TABLE 3

STORM DISCHARGES (CFS) AT XSECTIONS AND STRUCTURES FOR ALL ALTERNATES

XSECTION/ STRUCTURE ID		DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 1	2	3	4
STRUCTURE 51		.37				
	ALTERNATE 11		42	*********	*********	*********
	ALTERNATE 12		*********	70	*********	*********
	ALTERNATE 13		*********	*********	92	*********
	ALTERNATE 14		*********	*********	*********	161
	ALTERNATE 21		58	*********	*********	*********
	ALTERNATE 22		*********	91	*********	*********
	ALTERNATE 23		*********	*********	112	*********
	ALTERNATE 24		*********	*********	*********	185
STRUCTURE 49		.32				
	ALTERNATE 11		51	*********	*********	*********
	ALTERNATE 12		*********	90	*********	*********
	ALTERNATE 13		*********	*********	117	*********
	ALTERNATE 14		*********	*********	*********	206
	ALTERNATE 21		74	*********	*********	*********
	ALTERNATE 22		*********	115	*********	*********
	ALTERNATE 23		*********	*********	143	*********
	ALTERNATE 24		*********	*********	*********	252
STRUCTURE 45		.07				
	ALTERNATE 11		0	*********	*********	*********
	ALTERNATE 12		*********	6	*********	*********
	ALTERNATE 13		*********	*********	10	*********
	ALTERNATE 14		*********	*********	*********	48
	ALTERNATE 21		3	*********	*********	*********
	ALTERNATE 22		*********	12	*********	*********
	ALTERNATE 23		*********	*********	23	*********
	ALTERNATE 24		*********	*********	*********	129
STRUCTURE 28		.18				
	ALTERNATE 11		61	*********	*********	*********
	ALTERNATE 12		*********	119	*********	*********
	ALTERNATE 13		*********	*********	153	*********
	ALTERNATE 14		*********	*********	*********	254
	ALTERNATE 21		103	*********	*********	*********
	ALTERNATE 22		*********	153	*********	*********

SUMMARY TABLE 3

STORM DISCHARGES (CFS) AT XSECTIONS AND STRUCTURES FOR ALL ALTERNATES

XSECTION/ STRUCTURE ID	DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 1	2	3	4
STRUCTURE 28	.18				
ALTERNATE 23		********* *********		186	*********
ALTERNATE 24		********* *********	*********		285
XSECTION 27	.18				
ALTERNATE 11		216	********* *********	*********	
ALTERNATE 12		*********	322	*********	*********
ALTERNATE 13		********* *********		393	*********
ALTERNATE 14		********* *********	*********		614
ALTERNATE 21		234	********* *********	*********	
ALTERNATE 22		*********	321	*********	*********
ALTERNATE 23		********* *********		376	*********
ALTERNATE 24		********* *********	*********		580
XSECTION 28	.18				
ALTERNATE 11		218	********* *********	*********	
ALTERNATE 12		*********	325	*********	*********
ALTERNATE 13		********* *********		396	*********
ALTERNATE 14		********* *********	*********		620
ALTERNATE 21		237	********* *********	*********	
ALTERNATE 22		*********	325	*********	*********
ALTERNATE 23		********* *********		382	*********
ALTERNATE 24		********* *********	*********		587
XSECTION 32	.19				
ALTERNATE 11		64	********* *********	*********	
ALTERNATE 12		*********	124	*********	*********
ALTERNATE 13		********* *********		159	*********
ALTERNATE 14		********* *********	*********		265
ALTERNATE 21		108	********* *********	*********	
ALTERNATE 22		*********	159	*********	*********
ALTERNATE 23		********* *********		193	*********
ALTERNATE 24		********* *********	*********		296
XSECTION 44	.06				
ALTERNATE 11		79	********* *********	*********	
ALTERNATE 12		*********	119	*********	*********
ALTERNATE 13		********* *********		145	*********
ALTERNATE 14		********* *********	*********		230

SUMMARY TABLE 3

STORM DISCHARGES (CFS) AT XSECTIONS AND STRUCTURES FOR ALL ALTERNATES

XSECTION/ STRUCTURE ID		DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 1	2	3	4
XSECTION 44		.06				
ALTERNATE	21		85	*********	*********	*********
ALTERNATE	22		*********	117	*********	*********
ALTERNATE	23		*********	*********	138	*********
ALTERNATE	24		*********	*********	*********	214
XSECTION 45		.07				
ALTERNATE	11		80	*********	*********	*********
ALTERNATE	12		*********	121	*********	*********
ALTERNATE	13		*********	*********	147	*********
ALTERNATE	14		*********	*********	*********	234
ALTERNATE	21		87	*********	*********	*********
ALTERNATE	22		*********	120	*********	*********
ALTERNATE	23		*********	*********	143	*********
ALTERNATE	24		*********	*********	*********	220
XSECTION 46		.07				
ALTERNATE	11		14	*********	*********	*********
ALTERNATE	12		*********	20	*********	*********
ALTERNATE	13		*********	*********	24	*********
ALTERNATE	14		*********	*********	*********	53
ALTERNATE	21		13	*********	*********	*********
ALTERNATE	22		*********	17	*********	*********
ALTERNATE	23		*********	*********	26	*********
ALTERNATE	24		*********	*********	*********	141
XSECTION 47		.02				
ALTERNATE	11		22	*********	*********	*********
ALTERNATE	12		*********	33	*********	*********
ALTERNATE	13		*********	*********	40	*********
ALTERNATE	14		*********	*********	*********	63
ALTERNATE	21		22	*********	*********	*********
ALTERNATE	22		*********	30	*********	*********
ALTERNATE	23		*********	*********	35	*********
ALTERNATE	24		*********	*********	*********	55
XSECTION 49		.04				
ALTERNATE	11		37	*********	*********	*********
ALTERNATE	12		*********	63	*********	*********

SUMMARY TABLE 3

STORM DISCHARGES (CFS) AT XSECTIONS AND STRUCTURES FOR ALL ALTERNATES

XSECTION/ STRUCTURE ID		DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 1	2	3	4
XSECTION 49		.04				
	ALTERNATE	13	*********	*********	80	*********
	ALTERNATE	14	*********	*********	*********	137
	ALTERNATE	21	42	*********	*********	*********
	ALTERNATE	22	*********	62	*********	*********
	ALTERNATE	23	*********	*********	76	*********
	ALTERNATE	24	*********	*********	*********	125
XSECTION 50		.04				
	ALTERNATE	11	40	*********	*********	*********
	ALTERNATE	12	*********	68	*********	*********
	ALTERNATE	13	*********	*********	87	*********
	ALTERNATE	14	*********	*********	*********	148
	ALTERNATE	21	46	*********	*********	*********
	ALTERNATE	22	*********	68	*********	*********
	ALTERNATE	23	*********	*********	82	*********
	ALTERNATE	24	*********	*********	*********	135
XSECTION 51		.04				
	ALTERNATE	11	42	*********	*********	*********
	ALTERNATE	12	*********	70	*********	*********
	ALTERNATE	13	*********	*********	90	*********
	ALTERNATE	14	*********	*********	*********	153
	ALTERNATE	21	49	*********	*********	*********
	ALTERNATE	22	*********	72	*********	*********
	ALTERNATE	23	*********	*********	87	*********
	ALTERNATE	24	*********	*********	*********	143
XSECTION 100		.28				
	ALTERNATE	11	72	*********	*********	*********
	ALTERNATE	12	*********	139	*********	*********
	ALTERNATE	13	*********	*********	179	*********
	ALTERNATE	14	*********	*********	*********	331
	ALTERNATE	21	120	*********	*********	*********
	ALTERNATE	22	*********	184	*********	*********
	ALTERNATE	23	*********	*********	230	*********
	ALTERNATE	24	*********	*********	*********	463

SUMMARY TABLE 3

STORM DISCHARGES (CFS) AT XSECTIONS AND STRUCTURES FOR ALL ALTERNATES

XSECTION/ STRUCTURE ID		DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 1	2	3	4
XSECTION 101		.32				
ALTERNATE	11		106	*********	*********	*********
ALTERNATE	12		*********	171	*********	*********
ALTERNATE	13		*********	*********	237	*********
ALTERNATE	14		*********	*********	*********	429
ALTERNATE	21		149	*********	*********	*********
ALTERNATE	22		*********	238	*********	*********
ALTERNATE	23		*********	*********	292	*********
ALTERNATE	24		*********	*********	*********	544
XSECTION 102		.37				
ALTERNATE	11		63	*********	*********	*********
ALTERNATE	12		*********	103	*********	*********
ALTERNATE	13		*********	*********	131	*********
ALTERNATE	14		*********	*********	*********	227
ALTERNATE	21		86	*********	*********	*********
ALTERNATE	22		*********	129	*********	*********
ALTERNATE	23		*********	*********	159	*********
ALTERNATE	24		*********	*********	*********	268
XSECTION 132		.18				
ALTERNATE	11		63	*********	*********	*********
ALTERNATE	12		*********	121	*********	*********
ALTERNATE	13		*********	*********	156	*********
ALTERNATE	14		*********	*********	*********	259
ALTERNATE	21		105	*********	*********	*********
ALTERNATE	22		*********	156	*********	*********
ALTERNATE	23		*********	*********	189	*********
ALTERNATE	24		*********	*********	*********	290
XSECTION 133		.26				
ALTERNATE	11		67	*********	*********	*********
ALTERNATE	12		*********	129	*********	*********
ALTERNATE	13		*********	*********	165	*********
ALTERNATE	14		*********	*********	*********	312
ALTERNATE	21		111	*********	*********	*********

SUMMARY TABLE 3

STORM DISCHARGES (CFS) AT XSECTIONS AND STRUCTURES FOR ALL ALTERNATES

XSECTION/ STRUCTURE ID		DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 1	2	3	4
XSECTION 133		.26				
	ALTERNATE 22		*********	169	*********	*********
	ALTERNATE 23		*********	*********	215	*********
	ALTERNATE 24		*********	*********	*********	437
XSECTION 146		.07				
	ALTERNATE 11		7	*********	*********	*********
	ALTERNATE 12		*********	10	*********	*********
	ALTERNATE 13		*********	*********	12	*********
	ALTERNATE 14		*********	*********	*********	51
	ALTERNATE 21		7	*********	*********	*********
	ALTERNATE 22		*********	12	*********	*********
	ALTERNATE 23		*********	*********	24	*********
	ALTERNATE 24		*********	*********	*********	136
XSECTION 147		.00				
	ALTERNATE 11		15	*********	*********	*********
	ALTERNATE 12		*********	20	*********	*********
	ALTERNATE 13		*********	*********	23	*********
	ALTERNATE 14		*********	*********	*********	35
	ALTERNATE 21		9	*********	*********	*********
	ALTERNATE 22		*********	11	*********	*********
	ALTERNATE 23		*********	*********	13	*********
	ALTERNATE 24		*********	*********	*********	19
XSECTION 148		.02				
	ALTERNATE 11		29	*********	*********	*********
	ALTERNATE 12		*********	42	*********	*********
	ALTERNATE 13		*********	*********	51	*********
	ALTERNATE 14		*********	*********	*********	79
	ALTERNATE 21		31	*********	*********	*********
	ALTERNATE 22		*********	42	*********	*********
	ALTERNATE 23		*********	*********	49	*********
	ALTERNATE 24		*********	*********	*********	75
XSECTION 149		.00				
	ALTERNATE 11		7	*********	*********	*********
	ALTERNATE 12		*********	9	*********	*********
	ALTERNATE 13		*********	*********	11	*********

SUMMARY TABLE 3

STORM DISCHARGES (CFS) AT XSECTIONS AND STRUCTURES FOR ALL ALTERNATES

XSECTION/ STRUCTURE ID		DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 1	2	3	4
XSECTION 149		.00				
ALTERNATE	14		*********	*********	*********	16
ALTERNATE	21		4	*********	*********	*********
ALTERNATE	22		*********	5	*********	*********
ALTERNATE	23		*********	*********	6	*********
ALTERNATE	24		*********	*********	*********	9
XSECTION 150		.04				
ALTERNATE	11		39	*********	*********	*********
ALTERNATE	12		*********	65	*********	*********
ALTERNATE	13		*********	*********	84	*********
ALTERNATE	14		*********	*********	*********	142
ALTERNATE	21		46	*********	*********	*********
ALTERNATE	22		*********	68	*********	*********
ALTERNATE	23		*********	*********	82	*********
ALTERNATE	24		*********	*********	*********	134

END OF 1 JOBS IN THIS RUN